Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: January 5, 2007

Work Order: 6121108

Project Name: HELSTF Groundwater Samples
Project Number: 7

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
111247	HLSF-0085-HMW-024-1206	water	2006-12-07	15:06	2006-12-08
111248	HLSF-0085-TB-788-1206	water	2006-12-07	15:06	2006-12-08

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 111247 - HLSF-0085-HMW-024-1206

Analysis:	Ag, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	32921	Date Analyzed:	2006-12-18	Analyzed By:	RR
Prep Batch:	28533	Sample Preparation:	2006-12-13	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Silver		<0.00200		mg/L	1	0.00200

Sample: 111247 - HLSF-0085-HMW-024-1206

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	32918	Date Analyzed:	2006-12-15	Analyzed By:	JG
Prep Batch:	28627	Sample Preparation:	2006-12-15	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**80.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**80.0**		mg/L as CaCo3	1	4.00

Sample: 111247 - HLSF-0085-HMW-024-1206

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	32703	Date Analyzed:	2006-12-11	Analyzed By:	SM
Prep Batch:	28457	Sample Preparation:	2006-12-11	Prepared By:	SM

Parameter	Flag	Result	RL	Units	Dilution	RL
Ammonia-N		<1.00		mg/L	1	1.00

Sample: 111247 - HLSF-0085-HMW-024-1206

Analysis:	As, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	32921	Date Analyzed:	2006-12-18	Analyzed By:	RR
Prep Batch:	28533	Sample Preparation:	2006-12-13	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Arsenic		<0.00500		mg/L	1	0.00500

Sample: 111247 - HLSF-0085-HMW-024-1206

Analysis:	Ba, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	32921	Date Analyzed:	2006-12-18	Analyzed By:	RR
Prep Batch:	28533	Sample Preparation:	2006-12-13	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Barium		**0.0100**	mg/L	1	0.0100

Sample: 111247 - HLSF-0085-HMW-024-1206

Analysis:	Bromide (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	33039	Date Analyzed:	2006-12-08	Analyzed By:	JR
Prep Batch:	28716	Sample Preparation:	2006-12-08	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Bromide		<1.00	mg/L	5	0.200

Sample: 111247 - HLSF-0085-HMW-024-1206

Analysis:	Cd, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	32921	Date Analyzed:	2006-12-18	Analyzed By:	RR
Prep Batch:	28533	Sample Preparation:	2006-12-13	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Cadmium		<0.00100	mg/L	1	0.00100

Sample: 111247 - HLSF-0085-HMW-024-1206

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	32699	Date Analyzed:	2006-12-08	Analyzed By:	DR
Prep Batch:	28448	Sample Preparation:	2006-12-08	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Specific Conductance		**18100**	µMHOS/cm	1	0.00

Sample: 111247 - HLSF-0085-HMW-024-1206

Analysis:	Cr, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	32921	Date Analyzed:	2006-12-18	Analyzed By:	RR
Prep Batch:	28533	Sample Preparation:	2006-12-13	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Chromium		<0.00500	mg/L	1	0.00500

Sample: 111247 - HLSF-0085-HMW-024-1206

Analysis:	Cu, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	32921	Date Analyzed:	2006-12-18	Analyzed By:	RR
Prep Batch:	28533	Sample Preparation:	2006-12-13	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Copper		<0.0125		mg/L	1	0.0125

Sample: 111247 - HLSF-0085-HMW-024-1206

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	32745	Date Analyzed:	2006-12-12	Analyzed By:	RR
Prep Batch:	28447	Sample Preparation:	2006-12-11	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Copper		<0.00500		mg/L	1	0.00500

Sample: 111247 - HLSF-0085-HMW-024-1206

Analysis:	Hg, Dissolved	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	32864	Date Analyzed:	2006-12-15	Analyzed By:	TS
Prep Batch:	28580	Sample Preparation:	2006-12-14	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Mercury		<0.000200		mg/L	1	0.000200

Sample: 111247 - HLSF-0085-HMW-024-1206

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	33039	Date Analyzed:	2006-12-08	Analyzed By:	JR
Prep Batch:	28716	Sample Preparation:	2006-12-08	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**2170**		mg/L	100	2.00
Fluoride		**5.75**		mg/L	10	0.200
Sulfate		**8570**		mg/L	500	1.00

Sample: 111247 - HLSF-0085-HMW-024-1206

Analysis:	Na, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	32942	Date Analyzed:	2006-12-19	Analyzed By:	RR
Prep Batch:	28533	Sample Preparation:	2006-12-13	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Sodium		**4040**	mg/L	1	0.500

Sample: 111247 - HLSF-0085-HMW-024-1206

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	32825	Date Analyzed:	2006-12-14	Analyzed By:	RR
Prep Batch:	28447	Sample Preparation:	2006-12-11	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Sodium		**3460**	mg/L	10	0.500

Sample: 111247 - HLSF-0085-HMW-024-1206

Analysis:	NO2 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	33039	Date Analyzed:	2006-12-08	Analyzed By:	JR
Prep Batch:	28716	Sample Preparation:	2006-12-08	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrite-N		<0.500	mg/L	5	0.100

Sample: 111247 - HLSF-0085-HMW-024-1206

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	33039	Date Analyzed:	2006-12-08	Analyzed By:	JR
Prep Batch:	28716	Sample Preparation:	2006-12-08	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate-N		**67.5**	mg/L	50	0.100

Sample: 111247 - HLSF-0085-HMW-024-1206

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	32745	Date Analyzed:	2006-12-12	Analyzed By:	RR
Prep Batch:	28447	Sample Preparation:	2006-12-11	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Phosphorous		<0.0500	mg/L	1	0.0500

Sample: 111247 - HLSF-0085-HMW-024-1206

Analysis:	Pb, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	32921	Date Analyzed:	2006-12-18	Analyzed By:	RR
Prep Batch:	28533	Sample Preparation:	2006-12-13	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Lead		<0.00500	mg/L	1	0.00500

Sample: 111247 - HLSF-0085-HMW-024-1206

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	32902	Date Analyzed:	2006-12-08	Analyzed By:	DR
Prep Batch:	28610	Sample Preparation:	2006-12-08	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
pH		**7.90**	s.u.	1	0.00

Sample: 111247 - HLSF-0085-HMW-024-1206

Analysis:	Se, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	32921	Date Analyzed:	2006-12-18	Analyzed By:	RR
Prep Batch:	28533	Sample Preparation:	2006-12-13	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Selenium		**0.0990**	mg/L	1	0.0100

Sample: 111247 - HLSF-0085-HMW-024-1206

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	32873	Date Analyzed:	2006-12-13	Analyzed By:	DR
Prep Batch:	28588	Sample Preparation:	2006-12-13	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**18200**	mg/L	1	5.00

Sample: 111247 - HLSF-0085-HMW-024-1206

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	32745	Date Analyzed:	2006-12-12	Analyzed By:	RR
Prep Batch:	28447	Sample Preparation:	2006-12-11	Prepared By:	TS
Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	32862	Date Analyzed:	2006-12-15	Analyzed By:	TS
Prep Batch:	28579	Sample Preparation:	2006-12-14	Prepared By:	TS

Parameter	Flag	Result	Units	Dilution	RL
Total Silver		<0.00200	mg/L	1	0.00200
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		**0.0100**	mg/L	1	0.0100
Total Cadmium		<0.00100	mg/L	1	0.00100
Total Chromium		<0.00500	mg/L	1	0.00500
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.00500	mg/L	1	0.00500
Total Selenium		**0.114**	mg/L	1	0.0100

Sample: 111247 - HLSF-0085-HMW-024-1206

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	32815	Date Analyzed:	2006-12-12	Analyzed By:	JG
Prep Batch:	28548	Sample Preparation:	2006-12-12	Prepared By:	JG

Parameter	Flag	Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00

continued . . .

sample 111247 continued . . .

Parameter	Flag	Result	RL Units	Dilution	RL
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00
Isopropyl Alcohol		<5.00	µg/L	1	5.00
Tert-butyl Alcohol		<5.00	µg/L	1	5.00
1,4-Dioxane		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		53.2	µg/L	1	50.0	106	82.4 - 115
Toluene-d8		51.7	µg/L	1	50.0	103	89.7 - 108
4-Bromofluorobenzene (4-BFB)		44.9	µg/L	1	50.0	90	84.6 - 114

Sample: 111247 - HLSF-0085-HMW-024-1206

Analysis:	Zn, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	32921	Date Analyzed:	2006-12-18	Analyzed By:	RR
Prep Batch:	28533	Sample Preparation:	2006-12-13	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Zinc		<0.00500	mg/L	1	0.00500

Sample: 111247 - HLSF-0085-HMW-024-1206

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	32745	Date Analyzed:	2006-12-12	Analyzed By:	RR
Prep Batch:	28447	Sample Preparation:	2006-12-11	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc		<0.00500	mg/L	1	0.00500

Sample: 111248 - HLSF-0085-TB-788-1206

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	32815	Date Analyzed:	2006-12-12	Analyzed By:	JG
Prep Batch:	28548	Sample Preparation:	2006-12-12	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00

continued . . .

sample 111248 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		53.5	µg/L	1	50.0	107	82.4 - 115
Toluene-d8		51.8	µg/L	1	50.0	104	89.7 - 108
4-Bromofluorobenzene (4-BFB)		45.2	µg/L	1	50.0	90	84.6 - 114

Method Blank (1) QC Batch: 32699

QC Batch: 32699 Date Analyzed: 2006-12-08 Analyzed By: DR
Prep Batch: 28448 QC Preparation: 2006-12-08 Prepared By: DR

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	µMHOS/cm	

Method Blank (1) QC Batch: 32703

QC Batch: 32703 Date Analyzed: 2006-12-11 Analyzed By: SM
Prep Batch: 28457 QC Preparation: 2006-12-11 Prepared By: SM

Parameter	Flag	MDL Result	Units	RL
Ammonia-N		<0.820	mg/L	1

Method Blank (1) QC Batch: 32745

QC Batch: 32745 Date Analyzed: 2006-12-12 Analyzed By: RR
Prep Batch: 28447 QC Preparation: 2006-12-11 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Copper		<0.00127	mg/L	0.005

Method Blank (1) QC Batch: 32745

QC Batch: 32745 Date Analyzed: 2006-12-12 Analyzed By: RR
Prep Batch: 28447 QC Preparation: 2006-12-11 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Phosphorous		<0.0229	mg/L	0.05

Method Blank (1) QC Batch: 32745

QC Batch: 32745 Date Analyzed: 2006-12-12 Analyzed By: RR
Prep Batch: 28447 QC Preparation: 2006-12-11 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Zinc		<0.000666	mg/L	0.005

Method Blank (1) QC Batch: 32745

QC Batch: 32745 Date Analyzed: 2006-12-12 Analyzed By: RR
Prep Batch: 28447 QC Preparation: 2006-12-11 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.000274	mg/L	0.002
Total Arsenic		<0.00489	mg/L	0.01
Total Barium		<0.000450	mg/L	0.01
Total Cadmium		<0.000268	mg/L	0.001
Total Chromium		<0.00357	mg/L	0.005
Total Lead		<0.00310	mg/L	0.005
Total Selenium		<0.00556	mg/L	0.01

Method Blank (1) QC Batch: 32815

QC Batch: 32815 Date Analyzed: 2006-12-12 Analyzed By: JG
Prep Batch: 28548 QC Preparation: 2006-12-12 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.0699	µg/L	1
Dichlorodifluoromethane		<0.0598	µg/L	1
Chloromethane (methyl chloride)		<0.230	µg/L	1
Vinyl Chloride		<0.0902	µg/L	1
Bromomethane (methyl bromide)		<0.740	µg/L	5
Chloroethane		<0.195	µg/L	1
Trichlorofluoromethane		<0.160	µg/L	1
Acetone		2.47	µg/L	10
Iodomethane (methyl iodide)		<0.112	µg/L	5
Carbon Disulfide		<0.0764	µg/L	1
Acrylonitrile		<0.184	µg/L	1
2-Butanone (MEK)		<0.394	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.484	µg/L	5
2-Hexanone		<0.0975	µg/L	5
trans 1,4-Dichloro-2-butene		<0.420	µg/L	10
1,1-Dichloroethene		<0.0736	µg/L	1
Methylene chloride		1.58	µg/L	5
MTBE		<0.0504	µg/L	1
trans-1,2-Dichloroethene		<0.0598	µg/L	1
1,1-Dichloroethane		<0.0299	µg/L	1
cis-1,2-Dichloroethene		<0.101	µg/L	1
2,2-Dichloropropane		<0.0665	µg/L	1
1,2-Dichloroethane (EDC)		<0.0557	µg/L	1
Chloroform		<0.0475	µg/L	1
1,1,1-Trichloroethane		<0.0846	µg/L	1

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
1,1-Dichloropropene		<0.0423	µg/L	1
Benzene		<0.0495	µg/L	1
Carbon Tetrachloride		<0.121	µg/L	1
1,2-Dichloropropane		<0.0933	µg/L	1
Trichloroethene (TCE)		<0.0495	µg/L	1
Dibromomethane (methylene bromide)		<0.0640	µg/L	1
Bromodichloromethane		<0.0651	µg/L	1
2-Chloroethyl vinyl ether		<0.0905	µg/L	5
cis-1,3-Dichloropropene		<0.0640	µg/L	1
trans-1,3-Dichloropropene		<0.0504	µg/L	1
Toluene		0.330	µg/L	1
1,1,2-Trichloroethane		<0.106	µg/L	1
1,3-Dichloropropane		<0.0625	µg/L	1
Dibromochloromethane		<0.0791	µg/L	1
1,2-Dibromoethane (EDB)		<0.0460	µg/L	1
Tetrachloroethene (PCE)		<0.0696	µg/L	1
Chlorobenzene		<0.0217	µg/L	1
1,1,1,2-Tetrachloroethane		<0.125	µg/L	1
Ethylbenzene		<0.0566	µg/L	1
m,p-Xylene		<0.0363	µg/L	1
Bromoform		<0.0859	µg/L	1
Styrene		<0.0394	µg/L	1
o-Xylene		<0.0505	µg/L	1
1,1,2,2-Tetrachloroethane		<0.0672	µg/L	1
2-Chlorotoluene		<0.0283	µg/L	1
1,2,3-Trichloropropane		<0.0679	µg/L	1
Isopropylbenzene		<0.0406	µg/L	1
Bromobenzene		<0.103	µg/L	1
n-Propylbenzene		<0.0423	µg/L	1
1,3,5-Trimethylbenzene		<0.0557	µg/L	1
tert-Butylbenzene		<0.0770	µg/L	1
1,2,4-Trimethylbenzene		<0.0336	µg/L	1
1,4-Dichlorobenzene (para)		<0.0672	µg/L	1
sec-Butylbenzene		<0.0439	µg/L	1
1,3-Dichlorobenzene (meta)		<0.0672	µg/L	1
p-Isopropyltoluene		<0.0513	µg/L	1
4-Chlorotoluene		<0.0460	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.0629	µg/L	1
n-Butylbenzene		<0.0400	µg/L	1
1,2-Dibromo-3-chloropropane		<0.538	µg/L	5
1,2,3-Trichlorobenzene		<0.504	µg/L	5
1,2,4-Trichlorobenzene		<0.166	µg/L	5
Naphthalene		0.740	µg/L	5
Hexachlorobutadiene		<0.176	µg/L	5
Isopropyl Alcohol		<5.00	µg/L	5
Tert-butyl Alcohol		<5.00	µg/L	5
1,4-Dioxane		<5.00	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		43.9	µg/L	1	50.0	88	82.4 - 115
Toluene-d8		50.0	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.0	µg/L	1	50.0	94	84.6 - 114

Method Blank (1) QC Batch: 32825

QC Batch: 32825 Date Analyzed: 2006-12-14 Analyzed By: RR
Prep Batch: 28447 QC Preparation: 2006-12-11 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Sodium		<0.0309	mg/L	0.5

Method Blank (1) QC Batch: 32862

QC Batch: 32862 Date Analyzed: 2006-12-15 Analyzed By: TS
Prep Batch: 28579 QC Preparation: 2006-12-15 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000217	mg/L	0.0002

Method Blank (1) QC Batch: 32864

QC Batch: 32864 Date Analyzed: 2006-12-15 Analyzed By: TS
Prep Batch: 28580 QC Preparation: 2006-12-15 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Mercury		<0.0000329	mg/L	0.0002

Method Blank (1) QC Batch: 32873

QC Batch: 32873 Date Analyzed: 2006-12-13 Analyzed By: DR
Prep Batch: 28588 QC Preparation: 2006-12-13 Prepared By: DR

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 32918

QC Batch: 32918 Date Analyzed: 2006-12-15 Analyzed By: JG
Prep Batch: 28627 QC Preparation: 2006-12-15 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/L as CaCo3	4
Total Alkalinity		<2.38	mg/L as CaCo3	4

Method Blank (1) QC Batch: 32921

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR
Prep Batch: 28533 QC Preparation: 2006-12-13 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Silver		<0.000199	mg/L	0.002

Method Blank (1) QC Batch: 32921

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR
Prep Batch: 28533 QC Preparation: 2006-12-13 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Arsenic		<0.00360	mg/L	0.005

Method Blank (1) QC Batch: 32921

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR
Prep Batch: 28533 QC Preparation: 2006-12-13 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Barium		<0.000450	mg/L	0.01

Method Blank (1) QC Batch: 32921

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR
Prep Batch: 28533 QC Preparation: 2006-12-13 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Cadmium		<0.000577	mg/L	0.001

Method Blank (1) QC Batch: 32921

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR
Prep Batch: 28533 QC Preparation: 2006-12-13 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Chromium		<0.00357	mg/L	0.005

Method Blank (1) QC Batch: 32921

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR
Prep Batch: 28533 QC Preparation: 2006-12-13 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Copper		<0.00127	mg/L	0.0125

Method Blank (1) QC Batch: 32921

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR
Prep Batch: 28533 QC Preparation: 2006-12-13 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Lead		<0.00398	mg/L	0.005

Method Blank (1) QC Batch: 32921

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR
Prep Batch: 28533 QC Preparation: 2006-12-13 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Selenium		<0.00556	mg/L	0.01

Method Blank (1) QC Batch: 32921

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR
Prep Batch: 28533 QC Preparation: 2006-12-13 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Zinc		<0.00300	mg/L	0.005

Method Blank (1) QC Batch: 32942

QC Batch: 32942 Date Analyzed: 2006-12-19 Analyzed By: RR
Prep Batch: 28533 QC Preparation: 2006-12-13 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Sodium		<0.0309	mg/L	0.5

Method Blank (1) QC Batch: 33039

QC Batch: 33039 Date Analyzed: 2006-12-08 Analyzed By: JR
Prep Batch: 28716 QC Preparation: 2006-12-08 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Bromide		<0.0217	mg/L	0.2

Method Blank (1) QC Batch: 33039

QC Batch: 33039 Date Analyzed: 2006-12-08 Analyzed By: JR
Prep Batch: 28716 QC Preparation: 2006-12-08 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Nitrite-N		<0.0168	mg/L	0.1

Method Blank (1) QC Batch: 33039

QC Batch: 33039 Date Analyzed: 2006-12-08 Analyzed By: JR
Prep Batch: 28716 QC Preparation: 2006-12-08 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.0168	mg/L	0.1

Method Blank (1) QC Batch: 33039

QC Batch: 33039 Date Analyzed: 2006-12-08 Analyzed By: JR
Prep Batch: 28716 QC Preparation: 2006-12-08 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0257	mg/L	2
Fluoride		<0.0168	mg/L	0.2
Sulfate		<0.0598	mg/L	1

Duplicates (1)

QC Batch: 32699 Date Analyzed: 2006-12-08 Analyzed By: DR
Prep Batch: 28448 QC Preparation: 2006-12-08 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	13700	13700	µMHOS/cm	1	0	6.7

Duplicates (1)

QC Batch: 32873 Date Analyzed: 2006-12-13 Analyzed By: DR
Prep Batch: 28588 QC Preparation: 2006-12-13 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	14100	14500	mg/L	1	3	20

Duplicates (1)

QC Batch: 32902 Date Analyzed: 2006-12-08 Analyzed By: DR
Prep Batch: 28610 QC Preparation: 2006-12-08 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.48	7.50	s.u.	1	0	20

Laboratory Control Spike (LCS-1)

QC Batch: 32703 Date Analyzed: 2006-12-11 Analyzed By: SM
Prep Batch: 28457 QC Preparation: 2006-12-11 Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.93	mg/L	1	5.00	<0.820	99	66 - 122

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.82	mg/L	1	5.00	<0.820	96	66 - 122	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32745 Date Analyzed: 2006-12-12 Analyzed By: RR
Prep Batch: 28447 QC Preparation: 2006-12-11 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.126	mg/L	1	0.125	<0.00127	101	83.4 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.124	mg/L	1	0.125	<0.00127	99	83.4 - 117	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32745 Date Analyzed: 2006-12-12 Analyzed By: RR
Prep Batch: 28447 QC Preparation: 2006-12-11 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Phosphorous	0.479	mg/L	1	0.500	<0.0229	96	87.3 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Phosphorous	0.453	mg/L	1	0.500	<0.0229	91	87.3 - 114	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32745 Date Analyzed: 2006-12-12 Analyzed By: RR
Prep Batch: 28447 QC Preparation: 2006-12-11 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.247	mg/L	1	0.250	<0.000666	99	82.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.243	mg/L	1	0.250	<0.000666	97	82.9 - 109	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32745 Date Analyzed: 2006-12-12 Analyzed By: RR
Prep Batch: 28447 QC Preparation: 2006-12-11 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.125	mg/L	1	0.125	<0.000274	100	87.9 - 111
Total Arsenic	0.491	mg/L	1	0.500	<0.00489	98	86.8 - 108
Total Barium	1.01	mg/L	1	1.00	<0.000450	101	88.8 - 110
Total Cadmium	0.250	mg/L	1	0.250	<0.000268	100	86.8 - 110
Total Chromium	0.112	mg/L	1	0.100	<0.00357	112	86.5 - 115
Total Lead	0.486	mg/L	1	0.500	<0.00310	97	83 - 109
Total Selenium	0.464	mg/L	1	0.500	<0.00556	93	75 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.123	mg/L	1	0.125	<0.000274	98	87.9 - 111	2	20
Total Arsenic	0.482	mg/L	1	0.500	<0.00489	96	86.8 - 108	2	20
Total Barium	1.01	mg/L	1	1.00	<0.000450	101	88.8 - 110	0	20
Total Cadmium	0.249	mg/L	1	0.250	<0.000268	100	86.8 - 110	0	20
Total Chromium	0.110	mg/L	1	0.100	<0.00357	110	86.5 - 115	2	20
Total Lead	0.476	mg/L	1	0.500	<0.00310	95	83 - 109	2	20
Total Selenium	0.413	mg/L	1	0.500	<0.00556	83	75 - 112	12	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32815 Date Analyzed: 2006-12-12 Analyzed By: JG
Prep Batch: 28548 QC Preparation: 2006-12-12 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	50.5	µg/L	1	50.0	<0.0736	101	83.4 - 114
Benzene	51.9	µg/L	1	50.0	<0.0495	104	83.5 - 115
Trichloroethene (TCE)	51.7	µg/L	1	50.0	<0.0495	103	91.3 - 111
Toluene	46.9	µg/L	1	50.0	<0.0736	94	82 - 110
Chlorobenzene	49.0	µg/L	1	50.0	<0.0217	98	87.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,1-Dichloroethene	49.9	µg/L	1	50.0	<0.0736	100	83.4 - 114	1	20
Benzene	51.6	µg/L	1	50.0	<0.0495	103	83.5 - 115	1	20
Trichloroethene (TCE)	51.6	µg/L	1	50.0	<0.0495	103	91.3 - 111	0	20
Toluene	47.1	µg/L	1	50.0	<0.0736	94	82 - 110	0	20
Chlorobenzene	49.3	µg/L	1	50.0	<0.0217	99	87.9 - 109	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	50.0	49.4	µg/L	1	50.0	100	99	82.4 - 115
Toluene-d8	49.6	49.8	µg/L	1	50.0	99	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)	49.8	49.1	µg/L	1	50.0	100	98	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 32825 Date Analyzed: 2006-12-14 Analyzed By: RR
Prep Batch: 28447 QC Preparation: 2006-12-11 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	58.7	mg/L	1	50.0	<0.0309	117	87.1 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Sodium	56.8	mg/L	1	50.0	<0.0309	114	87.1 - 120	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32862 Date Analyzed: 2006-12-15 Analyzed By: TS
Prep Batch: 28579 QC Preparation: 2006-12-15 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000950	mg/L	1	0.00100	<0.0000217	95	89.4 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.000960	mg/L	1	0.00100	<0.0000217	96	89.4 - 108	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32864 Date Analyzed: 2006-12-15 Analyzed By: TS
Prep Batch: 28580 QC Preparation: 2006-12-15 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Mercury	0.000970	mg/L	1	0.00100	<0.0000329	97	85 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Mercury	0.000970	mg/L	1	0.00100	<0.0000329	97	85 - 114	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR
Prep Batch: 28533 QC Preparation: 2006-12-13 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.133	mg/L	1	0.125	<0.000199	106	86.2 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.129	mg/L	1	0.125	<0.000199	103	86.2 - 116	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32921 | Date Analyzed: 2006-12-18 | Analyzed By: RR
Prep Batch: 28533 | QC Preparation: 2006-12-13 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Arsenic	0.505	mg/L	1	0.500	<0.00360	101	78.7 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Arsenic	0.535	mg/L	1	0.500	<0.00360	107	78.7 - 116	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32921 | Date Analyzed: 2006-12-18 | Analyzed By: RR
Prep Batch: 28533 | QC Preparation: 2006-12-13 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Barium	0.947	mg/L	1	1.00	<0.000450	95	85 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Barium	0.979	mg/L	1	1.00	<0.000450	98	85 - 114	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32921 | Date Analyzed: 2006-12-18 | Analyzed By: RR
Prep Batch: 28533 | QC Preparation: 2006-12-13 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Cadmium	0.237	mg/L	1	0.250	<0.000577	95	83.3 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Cadmium	0.244	mg/L	1	0.250	<0.000577	98	83.3 - 113	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32921 | Date Analyzed: 2006-12-18 | Analyzed By: RR
Prep Batch: 28533 | QC Preparation: 2006-12-13 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Chromium	0.0980	mg/L	1	0.100	<0.00357	98	83 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Chromium	0.0980	mg/L	1	0.100	<0.00357	98	83 - 112	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR
Prep Batch: 28533 QC Preparation: 2006-12-13 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Copper	0.121	mg/L	1	0.125	<0.00127	97	84.3 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Copper	0.125	mg/L	1	0.125	<0.00127	100	84.3 - 114	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR
Prep Batch: 28533 QC Preparation: 2006-12-13 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Lead	0.512	mg/L	1	0.500	<0.00398	102	81.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Lead	0.518	mg/L	1	0.500	<0.00398	104	81.1 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR
Prep Batch: 28533 QC Preparation: 2006-12-13 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Selenium	0.419	mg/L	1	0.500	<0.00556	84	69.6 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Selenium	0.461	mg/L	1	0.500	<0.00556	92	69.6 - 111	10	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32921 | Date Analyzed: 2006-12-18 | Analyzed By: RR
Prep Batch: 28533 | QC Preparation: 2006-12-13 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Zinc	0.222	mg/L	1	0.250	<0.00300	89	84.7 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Zinc	0.226	mg/L	1	0.250	<0.00300	90	84.7 - 113	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32942 | Date Analyzed: 2006-12-19 | Analyzed By: RR
Prep Batch: 28533 | QC Preparation: 2006-12-13 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Sodium	45.1	mg/L	1	50.0	<0.0309	90	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Sodium	49.0	mg/L	1	50.0	<0.0309	98	85 - 115	8	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 33039 | Date Analyzed: 2006-12-08 | Analyzed By: JR
Prep Batch: 28716 | QC Preparation: 2006-12-08 | Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromide	2.47	mg/L	1	2.50	<0.0217	99	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromide	2.49	mg/L	1	2.50	<0.0217	100	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 33039 | Date Analyzed: 2006-12-08 | Analyzed By: JR
Prep Batch: 28716 | QC Preparation: 2006-12-08 | Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	2.52	mg/L	1	2.50	<0.0168	101	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	2.52	mg/L	1	2.50	<0.0168	101	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 33039 | Date Analyzed: 2006-12-08 | Analyzed By: JR
Prep Batch: 28716 | QC Preparation: 2006-12-08 | Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	2.50	mg/L	1	2.50	<0.0168	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	2.50	mg/L	1	2.50	<0.0168	100	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 33039 | Date Analyzed: 2006-12-08 | Analyzed By: JR
Prep Batch: 28716 | QC Preparation: 2006-12-08 | Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	12.1	mg/L	1	12.5	<0.0257	97	90 - 110
Fluoride	2.49	mg/L	1	2.50	<0.0168	100	88.6 - 107
Sulfate	12.6	mg/L	1	12.5	<0.0598	101	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	12.1	mg/L	1	12.5	<0.0257	97	90 - 110	0	20
Fluoride	2.49	mg/L	1	2.50	<0.0168	100	88.6 - 107	0	20
Sulfate	12.5	mg/L	1	12.5	<0.0598	100	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111247

QC Batch: 32703 Date Analyzed: 2006-12-11 Analyzed By: SM
Prep Batch: 28457 QC Preparation: 2006-12-11 Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.76	mg/L	1	5.00	<0.820	95	58 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.87	mg/L	1	5.00	<0.820	97	58 - 134	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111245

QC Batch: 32745 Date Analyzed: 2006-12-12 Analyzed By: RR
Prep Batch: 28447 QC Preparation: 2006-12-11 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.114	mg/L	1	0.125	<0.00127	91	83.8 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.115	mg/L	1	0.125	<0.00127	92	83.8 - 118	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111245

QC Batch: 32745 Date Analyzed: 2006-12-12 Analyzed By: RR
Prep Batch: 28447 QC Preparation: 2006-12-11 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Phosphorous	0.422	mg/L	1	0.500	<0.0229	84	70.1 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Phosphorous	0.401	mg/L	1	0.500	<0.0229	80	70.1 - 115	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111245

QC Batch: 32745 Date Analyzed: 2006-12-12 Analyzed By: RR
Prep Batch: 28447 QC Preparation: 2006-12-11 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.216	mg/L	1	0.250	<0.000666	86	75.5 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.224	mg/L	1	0.250	<0.000666	90	75.5 - 113	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111245

QC Batch: 32745 Date Analyzed: 2006-12-12 Analyzed By: RR
Prep Batch: 28447 QC Preparation: 2006-12-11 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.115	mg/L	1	0.125	<0.000274	92	88.2 - 114
Total Arsenic	0.428	mg/L	1	0.500	<0.00489	86	75.9 - 116
Total Barium	0.859	mg/L	1	1.00	0.005	85	64.9 - 129
Total Cadmium	0.185	mg/L	1	0.250	<0.000268	74	66.5 - 121
Total Chromium	0.0840	mg/L	1	0.100	<0.00357	84	69.2 - 129
Total Lead	0.441	mg/L	1	0.500	<0.00310	88	71.9 - 115
Total Selenium	0.461	mg/L	1	0.500	<0.00556	92	66.8 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.116	mg/L	1	0.125	<0.000274	93	88.2 - 114	1	20
Total Arsenic	0.442	mg/L	1	0.500	<0.00489	88	75.9 - 116	3	20
Total Barium	0.878	mg/L	1	1.00	0.005	87	64.9 - 129	2	20
Total Cadmium	0.203	mg/L	1	0.250	<0.000268	81	66.5 - 121	9	20
Total Chromium	0.0860	mg/L	1	0.100	<0.00357	86	69.2 - 129	2	20
Total Lead	0.449	mg/L	1	0.500	<0.00310	90	71.9 - 115	2	20
Total Selenium	0.479	mg/L	1	0.500	<0.00556	96	66.8 - 116	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111245

QC Batch: 32815 Date Analyzed: 2006-12-12 Analyzed By: JG
Prep Batch: 28548 QC Preparation: 2006-12-12 Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	51.3	µg/L	1	50.0	<0.0736	103	78.7 - 119
Benzene	53.1	µg/L	1	50.0	<0.0495	106	75.8 - 125
Trichloroethene (TCE)	52.5	µg/L	1	50.0	<0.0495	105	83.6 - 112
Toluene	47.9	µg/L	1	50.0	<0.0736	96	81.6 - 115
Chlorobenzene	50.2	µg/L	1	50.0	<0.0217	100	83.9 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,1-Dichloroethene	52.0	µg/L	1	50.0	<0.0736	104	78.7 - 119	1	20
Benzene	53.8	µg/L	1	50.0	<0.0495	108	75.8 - 125	1	20
Trichloroethene (TCE)	53.8	µg/L	1	50.0	<0.0495	108	83.6 - 112	2	20
Toluene	48.6	µg/L	1	50.0	<0.0736	97	81.6 - 115	1	20
Chlorobenzene	50.9	µg/L	1	50.0	<0.0217	102	83.9 - 113	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	49.9	50.6	µg/L	1	50	100	101	86.6 - 114
Toluene-d8	50.0	49.6	µg/L	1	50	100	99	91 - 109
4-Bromofluorobenzene (4-BFB)	49.3	49.2	µg/L	1	50	99	98	87.2 - 113

Matrix Spike (MS-1) Spiked Sample: 111245

QC Batch: 32825 Date Analyzed: 2006-12-14 Analyzed By: RR
Prep Batch: 28447 QC Preparation: 2006-12-11 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	2340	mg/L	1	50.0	2290	100	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Sodium	2340	mg/L	1	50.0	2290	100	75 - 125	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111036

QC Batch: 32862 Date Analyzed: 2006-12-15 Analyzed By: TS
Prep Batch: 28579 QC Preparation: 2006-12-15 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000960	mg/L	1	0.00100	5e-05	91	49.1 - 137

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.000660	mg/L	1	0.00100	5e-05	61	49.1 - 137	37	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111245

QC Batch: 32864 Date Analyzed: 2006-12-15 Analyzed By: TS
Prep Batch: 28580 QC Preparation: 2006-12-15 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Mercury	0.00104	mg/L	1	0.00100	<0.0000329	104	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Mercury	0.000980	mg/L	1	0.00100	<0.0000329	98	75 - 125	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111243

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR
Prep Batch: 28533 QC Preparation: 2006-12-13 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.119	mg/L	1	0.125	<0.000199	95	90.1 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.118	mg/L	1	0.125	<0.000199	94	90.1 - 120	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111243

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR
Prep Batch: 28533 QC Preparation: 2006-12-13 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Arsenic	0.472	mg/L	1	0.500	<0.00360	94	75 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Arsenic	0.426	mg/L	1	0.500	<0.00360	85	75 - 114	10	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111243

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR
Prep Batch: 28533 QC Preparation: 2006-12-13 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Barium	0.897	mg/L	1	1.00	<0.000450	90	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Barium	0.881	mg/L	1	1.00	<0.000450	88	75 - 125	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111243

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR
Prep Batch: 28533 QC Preparation: 2006-12-13 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Cadmium	0.226	mg/L	1	0.250	<0.000577	90	75 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Cadmium	0.232	mg/L	1	0.250	<0.000577	93	75 - 112	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111243

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR
Prep Batch: 28533 QC Preparation: 2006-12-13 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Chromium	0.0870	mg/L	1	0.100	<0.00357	87	75 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Chromium	0.0860	mg/L	1	0.100	<0.00357	86	75 - 121	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111243

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR
Prep Batch: 28533 QC Preparation: 2006-12-13 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Copper	0.116	mg/L	1	0.125	0.006	88	81.5 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Copper	0.120	mg/L	1	0.125	0.006	91	81.5 - 125	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111243

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR
Prep Batch: 28533 QC Preparation: 2006-12-13 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Lead	0.473	mg/L	1	0.500	<0.00398	95	75 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Lead	0.446	mg/L	1	0.500	<0.00398	89	75 - 111	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111243

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR
Prep Batch: 28533 QC Preparation: 2006-12-13 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Selenium	0.407	mg/L	1	0.500	<0.00556	81	75 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Selenium	0.426	mg/L	1	0.500	<0.00556	85	75 - 118	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111243

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR
Prep Batch: 28533 QC Preparation: 2006-12-13 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Zinc	0.236	mg/L	1	0.250	<0.00300	94	80.4 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Zinc	0.238	mg/L	1	0.250	<0.00300	95	80.4 - 120	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111243

QC Batch: 32942 Date Analyzed: 2006-12-19 Analyzed By: RR
Prep Batch: 28533 QC Preparation: 2006-12-13 Prepared By: TS

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Sodium	[1]	10900	mg/L	1	50.0	10870	60	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Sodium	[2]	10900	mg/L	1	50.0	10870	60	75 - 125	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111245

QC Batch: 33039 Date Analyzed: 2006-12-08 Analyzed By: JR
Prep Batch: 28716 QC Preparation: 2006-12-08 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromide	1250	mg/L	500	1250	<10.8	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromide	1280	mg/L	500	1250	<10.8	102	90 - 110	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111245

QC Batch: 33039 Date Analyzed: 2006-12-08 Analyzed By: JR
Prep Batch: 28716 QC Preparation: 2006-12-08 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	1280	mg/L	500	1250	<8.40	102	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	1270	mg/L	500	1250	<8.40	102	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111245

QC Batch: 33039 Date Analyzed: 2006-12-08 Analyzed By: JR
Prep Batch: 28716 QC Preparation: 2006-12-08 Prepared By: JR

[1]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[2]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	1320	mg/L	500	1250	171	92	78.6 - 105

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	1310	mg/L	500	1250	171	91	78.6 - 105	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111245

QC Batch: 33039 Date Analyzed: 2006-12-08 Analyzed By: JR
Prep Batch: 28716 QC Preparation: 2006-12-08 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	8140	mg/L	500	6250	2240	94	90 - 110
Fluoride	1250	mg/L	500	1250	<8.40	100	89.9 - 104
Sulfate	12600	mg/L	500	6250	6470	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	8120	mg/L	500	6250	2240	94	90 - 110	0	20
Fluoride	1250	mg/L	500	1250	<8.40	100	89.9 - 104	0	20
Sulfate	12500	mg/L	500	6250	6470	96	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 32699 Date Analyzed: 2006-12-08 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1410	100	96.7 - 108	2006-12-08

Standard (CCV-1)

QC Batch: 32699 Date Analyzed: 2006-12-08 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1410	100	96.7 - 108	2006-12-08

Standard (ICV-1)

QC Batch: 32703 Date Analyzed: 2006-12-11 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.98	100	85 - 115	2006-12-11

Standard (CCV-1)

QC Batch: 32703 Date Analyzed: 2006-12-11 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.76	95	85 - 115	2006-12-11

Standard (ICV-1)

QC Batch: 32745 Date Analyzed: 2006-12-12 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	0.979	98	90 - 110	2006-12-12

Standard (ICV-1)

QC Batch: 32745 Date Analyzed: 2006-12-12 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Phosphorous		mg/L	5.00	4.90	98	90 - 110	2006-12-12

Standard (ICV-1)

QC Batch: 32745 Date Analyzed: 2006-12-12 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	1.04	104	90 - 110	2006-12-12

Standard (ICV-1)

QC Batch: 32745 Date Analyzed: 2006-12-12 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.126	101	90 - 110	2006-12-12
Total Arsenic		mg/L	1.00	0.992	99	90 - 110	2006-12-12
Total Barium		mg/L	1.00	1.00	100	90 - 110	2006-12-12

continued ...

standard continued . . .

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	0.991	99	90 - 110	2006-12-12
Total Chromium		mg/L	1.00	0.995	100	90 - 110	2006-12-12
Total Lead		mg/L	1.00	0.997	100	90 - 110	2006-12-12
Total Selenium		mg/L	1.00	1.02	102	90 - 110	2006-12-12

Standard (CCV-1)

QC Batch: 32745 Date Analyzed: 2006-12-12 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	0.978	98	90 - 110	2006-12-12

Standard (CCV-1)

QC Batch: 32745 Date Analyzed: 2006-12-12 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Phosphorous		mg/L	5.00	4.91	98	90 - 110	2006-12-12

Standard (CCV-1)

QC Batch: 32745 Date Analyzed: 2006-12-12 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	1.04	104	90 - 110	2006-12-12

Standard (CCV-1)

QC Batch: 32745 Date Analyzed: 2006-12-12 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.127	102	90 - 110	2006-12-12
Total Arsenic		mg/L	1.00	0.987	99	90 - 110	2006-12-12
Total Barium		mg/L	1.00	1.01	101	90 - 110	2006-12-12
Total Cadmium		mg/L	1.00	0.988	99	90 - 110	2006-12-12
Total Chromium		mg/L	1.00	0.990	99	90 - 110	2006-12-12
Total Lead		mg/L	1.00	0.993	99	90 - 110	2006-12-12
Total Selenium		mg/L	1.00	1.02	102	90 - 110	2006-12-12

Standard (CCV-1)

QC Batch: 32815 Date Analyzed: 2006-12-12 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/L	50.0	54.5	109	80 - 120	2006-12-12
1,1-Dichloroethene		µg/L	50.0	52.7	105	80 - 120	2006-12-12
Chloroform		µg/L	50.0	51.1	102	80 - 120	2006-12-12
1,2-Dichloropropane		µg/L	50.0	52.1	104	80 - 120	2006-12-12
Toluene		µg/L	50.0	49.4	99	80 - 120	2006-12-12
Chlorobenzene		µg/L	50.0	51.1	102	80 - 120	2006-12-12
Ethylbenzene		µg/L	50.0	52.7	105	80 - 120	2006-12-12

Standard (CCV-2)

QC Batch: 32815 Date Analyzed: 2006-12-12 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/L	50.0	48.1	96	80 - 120	2006-12-12
1,1-Dichloroethene		µg/L	50.0	49.5	99	80 - 120	2006-12-12
Chloroform		µg/L	50.0	48.0	96	80 - 120	2006-12-12
1,2-Dichloropropane		µg/L	50.0	48.6	97	80 - 120	2006-12-12
Toluene		µg/L	50.0	46.7	93	80 - 120	2006-12-12
Chlorobenzene		µg/L	50.0	48.8	98	80 - 120	2006-12-12
Ethylbenzene		µg/L	50.0	50.2	100	80 - 120	2006-12-12

Standard (ICV-1)

QC Batch: 32825 Date Analyzed: 2006-12-14 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Sodium		mg/L	50.0	51.5	103	90 - 110	2006-12-14

Standard (CCV-1)

QC Batch: 32825 Date Analyzed: 2006-12-14 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Sodium		mg/L	50.0	48.9	98	90 - 110	2006-12-14

Standard (CCV-1)

QC Batch: 32862 Date Analyzed: 2006-12-15 Analyzed By: TS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00101	101	80 - 120	2006-12-15

Standard (CCV-2)

QC Batch: 32862 Date Analyzed: 2006-12-15 Analyzed By: TS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00102	102	80 - 120	2006-12-15

Standard (ICV-1)

QC Batch: 32864 Date Analyzed: 2006-12-15 Analyzed By: TS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Mercury		mg/L	0.00100	0.00106	106	80 - 120	2006-12-15

Standard (CCV-1)

QC Batch: 32864 Date Analyzed: 2006-12-15 Analyzed By: TS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Mercury		mg/L	0.00100	0.00101	101	80 - 120	2006-12-15

Standard (ICV-1)

QC Batch: 32873 Date Analyzed: 2006-12-13 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	967	97	94.4 - 106	2006-12-13

Standard (CCV-1)

QC Batch: 32873 Date Analyzed: 2006-12-13 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	995	100	94.4 - 106	2006-12-13

Standard (ICV-1)

QC Batch: 32902 Date Analyzed: 2006-12-08 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.94	99	98.8 - 101	2006-12-08

Standard (CCV-1)

QC Batch: 32902 Date Analyzed: 2006-12-08 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.99	100	98.8 - 101	2006-12-08

Standard (ICV-1)

QC Batch: 32918 Date Analyzed: 2006-12-15 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2006-12-15
Carbonate Alkalinity		mg/L as CaCo3	0.00	240		0 - 105	2006-12-15
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	10.0		0 - 105	2006-12-15
Total Alkalinity		mg/L as CaCo3	250	250	100	93.7 - 99.9	2006-12-15

Standard (CCV-1)

QC Batch: 32918 Date Analyzed: 2006-12-15 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2006-12-15
Carbonate Alkalinity		mg/L as CaCo3	0.00	228		0 - 105	2006-12-15
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	20.0		0 - 105	2006-12-15
Total Alkalinity		mg/L as CaCo3	250	248	99	93.7 - 99.9	2006-12-15

Standard (ICV-1)

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.128	102	90 - 110	2006-12-18

Standard (ICV-1)

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Arsenic		mg/L	1.00	0.987	99	90 - 110	2006-12-18

Standard (ICV-1)

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Barium		mg/L	1.00	0.996	100	90 - 110	2006-12-18

Standard (ICV-1)

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Cadmium		mg/L	1.00	0.985	98	95 - 105	2006-12-18

Standard (ICV-1)

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Chromium		mg/L	1.00	0.982	98	90 - 110	2006-12-18

Standard (ICV-1)

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Copper		mg/L	1.00	0.998	100	90 - 110	2006-12-18

Standard (ICV-1)

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Lead		mg/L	1.00	0.986	99	90 - 110	2006-12-18

Standard (ICV-1)

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Selenium		mg/L	1.00	1.06	106	90 - 110	2006-12-18

Standard (ICV-1)

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Zinc		mg/L	1.00	1.04	104	90 - 110	2006-12-18

Standard (CCV-1)

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.129	103	90 - 110	2006-12-18

Standard (CCV-1)

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Arsenic		mg/L	1.00	1.04	104	90 - 110	2006-12-18

Standard (CCV-1)

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Barium		mg/L	1.00	1.03	103	90 - 110	2006-12-18

Standard (CCV-1)

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Cadmium		mg/L	1.00	0.991	99	90 - 110	2006-12-18

Standard (CCV-1)

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Chromium		mg/L	1.00	0.983	98	90 - 110	2006-12-18

Standard (CCV-1)

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Copper		mg/L	1.00	1.01	101	90 - 110	2006-12-18

Standard (CCV-1)

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Lead		mg/L	1.00	0.983	98	90 - 110	2006-12-18

Standard (CCV-1)

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Selenium		mg/L	1.00	1.02	102	90 - 110	2006-12-18

Standard (CCV-1)

QC Batch: 32921 Date Analyzed: 2006-12-18 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Zinc		mg/L	1.00	1.05	105	90 - 110	2006-12-18

Standard (ICV-1)

QC Batch: 32942 Date Analyzed: 2006-12-19 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Sodium		mg/L	50.0	52.5	105	90 - 110	2006-12-19

Standard (CCV-1)

QC Batch: 32942 Date Analyzed: 2006-12-19 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Sodium		mg/L	50.0	46.9	94	90 - 110	2006-12-19

Standard (ICV-1)

QC Batch: 33039 Date Analyzed: 2006-12-08 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromide		mg/L	2.50	2.46	98	93.2 - 98.5	2006-12-08

Standard (ICV-1)

QC Batch: 33039 Date Analyzed: 2006-12-08 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.45	98	90 - 110	2006-12-08

Standard (ICV-1)

QC Batch: 33039 Date Analyzed: 2006-12-08 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.37	95	90 - 110	2006-12-08

Standard (ICV-1)

QC Batch: 33039 Date Analyzed: 2006-12-08 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.9	95	90 - 110	2006-12-08
Fluoride		mg/L	2.50	2.47	99	90 - 110	2006-12-08
Sulfate		mg/L	12.5	11.9	95	90 - 110	2006-12-08

Standard (CCV-1)

QC Batch: 33039 Date Analyzed: 2006-12-08 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromide	[3]	mg/L	2.50	2.47	99	93.2 - 98.5	2006-12-08

Standard (CCV-1)

QC Batch: 33039 Date Analyzed: 2006-12-08 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.47	99	90 - 110	2006-12-08

Standard (CCV-1)

QC Batch: 33039 Date Analyzed: 2006-12-08 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.39	96	90 - 110	2006-12-08

Standard (CCV-1)

QC Batch: 33039 Date Analyzed: 2006-12-08 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.0	96	90 - 110	2006-12-08
Fluoride		mg/L	2.50	2.49	100	90 - 110	2006-12-08
Sulfate		mg/L	12.5	12.0	96	90 - 110	2006-12-08

[3]SPECIAL